



## Las Vegas Fire & Rescue Fire Prevention Division Information Sheet



Effective Date: February 1, 2011

CLV Ordinance #6124

*The items listed are basic information only. Codes are subject to change. Additional requirements may apply.*

## Flammable and Combustible Liquids

An operational permit is required to store, handle or use Class I liquids in excess of 5 gallons in a building or in excess of 10 gallons outside of a building. **IFC 105.6.16**

An operational permit is required to store, handle or use Class II or Class IIIA liquids in excess of 25 gallons in a building or in excess of 60 gallons outside a building. **IFC 105.6.16**

An operational permit is required to engage in the dispensing of liquid fuels into the fuel tanks of motor vehicles at commercial, industrial, governmental or manufacturing establishments.

**IFC 105.6.16**

Combustible liquids shall be subdivided as follows:

1. **Class II.** Liquids having a closed cup flash point at or above 100° F and below 140° F.
2. **Class IIIA.** Liquids having a closed cup flash point at or above 140° F and below 200° F.
3. **Class IIIB** Liquids having closed cup flash points at or above 200° F. **IFC 3402.1**

Flammable liquids are further categorized into a group known as Class I liquids. The class I category is subdivided as follows:

1. **Class IA.** Liquids having a flash point below 73° F and having a boiling point below 100° F.
2. **Class IB.** Liquids having a flash point below 73° F and having a boiling point at or above 100° F.
3. **Class IC.** Liquids having a flash point at or above 73° F and below 100° F. **IFC 3402.1**

Where the maximum allowable quantity per control area is exceeded, and when required by the *International Fire Code* Section 2704.2, rooms, buildings or areas used for storage, dispensing, use, mixing or handling of Class I, II and IIIA liquids shall be provided with spill control and secondary containment in accordance with the *International Fire Code* Section 2704.2. **IFC 3403.4**

Rooms, buildings or areas used for the storage of hazardous material liquids in individual vessels having a capacity of more than 55 gallons or in which the aggregate capacity of multiple vessels exceeds 1,000 gallons shall be provided with spill control to prevent the flow of liquids to adjoining areas.

**IFC 2704.2.1**



## Las Vegas Fire & Rescue Fire Prevention Division Information Sheet



Portable fire extinguishers shall be provided in accordance with the following: **IFC Table 906.3(2)**

TYPE OF HAZARD	BASIC MINIMUM EXTINGUISHER RATING	MAXIMUM TRAVEL DISTANCE TO EXTINGUISHERS (feet)
Light (Low)	10-B	50
Ordinary (Moderate)	10-B 20-B	30 50
Extra (High)	40-B 80-B	30 50

Where required by Table 2704.2.2 buildings, rooms or areas used for the storage of hazardous materials liquids or solids shall be provided with secondary containment when:

1. Liquids: Capacity of an individual vessel exceeds 55 gallons or the aggregate capacity of multiple vessels exceeds 1,000 gallons.
2. Solids: Capacity of an individual vessel exceeds 550 pounds or the aggregate capacity of multiple vessels exceeds 10,000 pounds. **IFC 2704.2.2**

The fire code official is authorized to require warning signs for the purpose of identifying the hazards of storing or using flammable liquids. Signs shall be posted in locations as required by the fire code official. **IFC 3403.5 & 3403.5.2**

**Las Vegas Fire & Rescue**

**Fire Prevention Division**

**(702)229-0366**

**[www.lasvegasnevada.gov/LawsCodes/fire\\_code.asp](http://www.lasvegasnevada.gov/LawsCodes/fire_code.asp)**